SAMSUNG

DVD PLAYER

DVD-P721M

CA AK68-00049J

www.samsung.ca

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE THE COVER(OR BACK).
NO USER-SERVICEABLE PARTS ARE INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

This symbol indicates “dangerous voltage” inside the product that presents a risk of electric shock or personal injury.

This symbol indicates important instructions accompanying the product.

CAUTION: DVD PLAYERS USE AN INVISIBLE LASER BEAM WHICH CAN CAUSE HAZARDOUS RADIATION EXPOSURE IF DIRECTED. BE SURE TO OPERATE PLAYER CORRECTLY AS INSTRUCTED.

CAUTIONS

Caution: To prevent electric shock, match wide blade of plug to wide slot, fully insert.

Attention: Pour éviter les chocs électriques, introduíre la lame la plus large de la fiche dans la borne correspondante de la prise et pousser jusqu au fond.

This product satisfies FCC regulations when shielded cables and connectors are used to connect the unit to other equipment. To prevent electromagnetic interference with electric appliances, such as radios and televisions, use shielded cables and connectors for connections.

FCC NOTE (for U.S.A):

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures.

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect this equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This class B digital apparatus meets all requirements of the Canadian Interference -- Causing Equipment Regulations.

CLASS 1	LASER PRODUCT
KLASSE 1	LASER PRODUKT
LUOKAN 1	LASER LAITE
KLASS 1	LASER APPARAT
PRODUCTO	LÁSER CLASE 1

Precautions

WARNING

To reduce the risk of fire or shock hazard, do not expose this DVD player to rain or moisture.

CAUTION

THIS PRODUCT UTILIZES A LASER. USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE. DO NOT OPEN COVER AND DO NOT REPAIR YOURSELF. REFER SERVICING TO QUALIFIED PERSONNEL.

Note:

- This unit can be used only where the power supply is AC 120V, 60Hz. It cannot be used elsewhere.
- This DVD player is designed and manufactured to respond to the Region Management Information. If the Region number of a DVD disc does not correspond to the Region number of this DVD player, the DVD player cannot play the disc.
- This device is protected by U.S. patent numbers 4,631,603, 4,577,216, 4,819,098 and 4,907,093 and other intellectual property rights. The use of Macrovision’s copy protection technology in the device must be authorized by Macrovision and is intended for home and other limited pay-per-view uses only, unless otherwise authorized in writing by Macrovision.
  Reverse engineering or disassembly is prohibited.

Handling Cautions

- Before connecting other components to this player, be sure to turn them all off.
- Do not move the player while a disc is being played, or the disc may be scratched or broken, and the player’s internal parts may be damaged.
- Do not put a flower vase filled with water or any small metal objects on the player.
- Be careful not to put your hand into the disc tray.
- Do not place anything other than the disc in the disc tray.
- Exterior interference such as lightning and static electricity can affect normal operation of this player. If this occurs, turn the player off and on again with the POWER button, or disconnect and then reconnect the AC power cord to the AC power outlet. The player will operate normally.
- Be sure to remove the disc and turn off the player after use.
- Disconnect the AC power cord from the AC outlet when you don’t intend to use the player for long periods of time.
- Clean the disc by wiping in a straight line from the inside to the outside of the disc.

Disc Storage

Be careful not to harm the disc because the data on these discs is highly vulnerable to the environment.

- Do not keep under direct sunlight.
- Keep in a cool ventilated area.
- Store vertically.
- Keep in a clean protection jacket.

Maintenance of Cabinet

For safety reasons, be sure to disconnect the AC power cord from the AC outlet.

- Do not use benzene, thinner, or other solvents for cleaning.
- Wipe the cabinet with a soft cloth.

Safety Instructions

1. **Read Instructions-**All the safety and operating instructions should be read before the product is operated.
2. **Retain Instructions-**The safety and operating instructions should be retained for future reference.
3. **Heed Warnings-**All warnings on the product and in the operating instructions should be adhered to.
4. **Follow Instructions-**All operating and using instructions should be followed.
5. **Cleaning-**Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
6. **Attachments-**Do not use attachments not recommended by the product manufacturer as they may cause hazards.
7. **Water and Moisture-**Do not use this product near water-for example near a bath tub, wash bowl, kitchen sink, or laundry tub; in a wet basement; or near a swimming pool; and the like.
8. **Accessories**-Do not place this product on an unstable cart, stand, tripod, bracket, or table.

   The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer or sold with the product. Any mounting of the product should follow the manufacturer's instructions and should use a mounting accessory recommended by the manufacturer.
9. **Cart Usage**-A product and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn.
10. **Ventilation**-Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating. These openings must not be blocked or covered.
    The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.
11. **Power Sources**-This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supplied to your home, consult your product dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instructions.
12. **Grounding or Polarization**-This product may be equipped with a polarized alternating-current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.
13. **Power-Cord Protection**-Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.
14. **Lightning-**For added protection for this product during a lightning storm or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges.

Safety Instructions

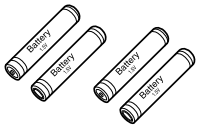
15. **Power Lines-**An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.
16. **Overloading**-Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.
17. **Object and Liquid Entry**-Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.
18. **Servicing**-Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
19. **Damage Requiring Service**-Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
    - **a** When the power-supply cord or plug is damaged.
    - **b** If liquid has been spilled or objects have fallen into the product.
    - **c** If the product has been exposed to rain or water.
    - **d** If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.
    - **e** If the product has been dropped or damaged in any way.
    - **f** When the product exhibits a distinct change in performance-this indicates a need for service.
20. **Replacement Parts**-When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or that have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.
21. **Safety check**-Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.
22. **Heat**-The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

Before You Start

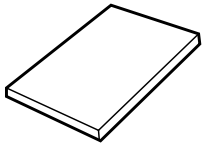
Accessories

Remote Control
(AH59-00093V)

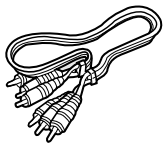
Easy Remote Control
(AH59-01043A)



Batteries for
Remote Controls (AA Size)
(4301-000117)



User's Manual
(AK68-00049J)



Video / Audio Cable
(AC39-42001R)

Install Batteries in the Remote

1. Open the battery cover on the back of the remote.
2. Insert two AA batteries. Make sure that the polarities (+ and -) are aligned correctly.
3. Replace the battery cover.

If remote doesn't operate properly:

- Check the polarity + - of the batteries (Dry-Cell)
- Check if the batteries are drained.
- Check if remote sensor is blocked by obstacles.
- Check if there is any fluorescent lighting nearby.

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General Features

Excellent Sound
Dolby Digital, a technology developed by Dolby Laboratories provides crystal clear sound reproduction.

Screen
Both regular and widescreen(16:9) pictures can be viewed.

Slow Motion
An important scene can be viewed in slow motion.

Programmed Play
You can program tracks to play in desired order.

Parental Control
The parental control allows users to set the level necessary to prohibit children from viewing harmful movies such as those with violence, adult subject matter, etc.

Various On-Screen Menu Functions
You can select various languages(Audio/Subtitle) and screen angles while enjoying movies.

Memory Stick
"Memory Stick" is a new compact, portable and versatile IC (Integrated Circuit) recording medium with a data capacity that exceeds a floppy disk.

Repeat
You can repeat a song or movie simply by pressing the REPEAT button.

MP3
This unit can play discs created from MP3 files.

Instant Replay
This function is used to replay the previous 10 seconds of the movie from the current position.

Progressive Scan
Progressive scanning creates an improved picture with double the scan lines of a conventional interlaced picture.

Easy Remocon
The Easy Remocon combines frequently used functions for easier operation.

NOTE

* Discs which cannot be played with this player:
  - DVD-ROM
  - DVD-RAM
  - CD-ROM
  - CDV
  - CDI
  - SVCD, CVD
  - HD layer of super Audio CD
  - CDGs play audio only, not graphics.

* Ability to play back may depend on recording conditions:
  - DVD-R
  - CD-RW
  - DVD+RW, -RW
  - Picture CD

COPY PROTECTION

- Many DVD discs are encoded with copy protection. Because of this, you should only connect your DVD player directly to your TV, not to a VCR. Connecting to a VCR results in a distorted picture from copy-protected DVD discs.
- This product incorporates copyright protection technology that is protected by methods claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

Disc Type and Characteristics

This DVD player is capable of playing the following types of discs with the corresponding logos:

Disc Types (Logos)	Recording Types	Disc Size	Max. Playing Time	Characteristics
DVD VIDEO	Audio + Video	5"	Single-sided 240 min. Double-sided 480 min.	• DVD contains excellent sound and video due to Dolby Digital and MPEG-2 system. • Various screen and audio functions can be easily selected through the on-screen menu.
		3 1/2"	Single-sided 80 min. Double-sided 160 min.	
VIDEO-CD COMPACT disc DIGITAL VIDEO	Audio + Video	5"	74 min.	• Video with CD sound, VHS quality & MPEG-1 compression technology.
		3 1/2"	20 min.	
AUDIO-CD COMPACT disc DIGITAL AUDIO	Audio	5"	74 min.	• CD is recorded as a Digital Signal with better audio quality, less distortion and less deterioration of audio quality over time.
		3 1/2"	20 min.	

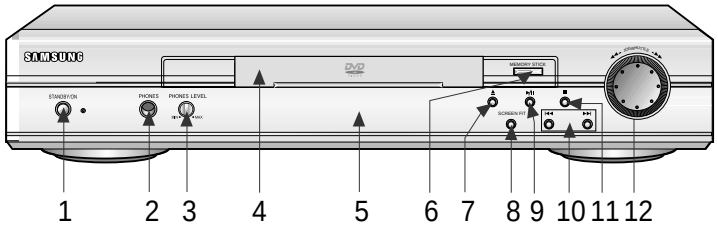
Disc Markings

- Play Region Number
- NTSC broadcast system in U.S.A, Canada, Korea, Japan, etc.
- Dolby Digital disc
- Stereo disc
- Digital Audio disc
- DTS disc
- MP3 disc
- MEMORY STICK

Play Region Number

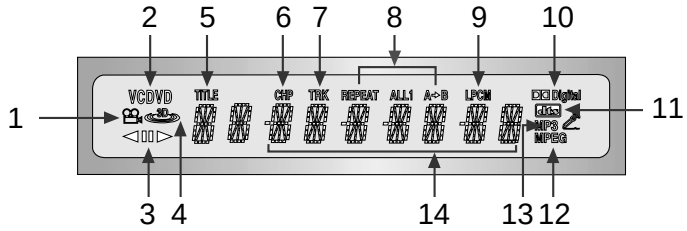
Both the DVD player and the discs are coded by region. These regional codes must match in order for the disc to play. If the codes do not match, the disc will not play.
The Region Number for this player is described on the rear panel of the player.

Description-Front Panel



Front Panel Controls

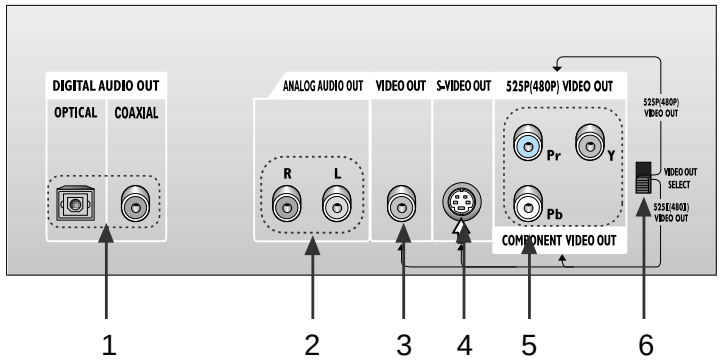
1. STANDBY / ON
   - When the unit is first plugged in, the indicator lights. When STANDBY/ON is pressed on again, the light goes out and the player is turned on.
2. HEADPHONES JACK
   - You can attach headphones here for private listening.
3. HEADPHONES VOLUME
   - Use to adjust headphones volume level.
4. DISC TRAY
   - Load the disc here.
5. DISPLAY
   - Operation indicators are displayed here.
6. MEMORY STICK
7. OPEN/CLOSE
   - Press to open and close the disc tray.
8. SCREEN FIT
9. PLAY/PAUSE
   - Begin or pause disc play.
10. SKIP/SEARCH
11. STOP
    - Stops disc play.
12. JOG/SHUTTLE
    - Shuttle(outer dial) - Use during DVD and CD play to fast forward or reverse.
    - Jog(inner dial) - Use for frame advance/CD track selection.



Front Panel Display

1. Angle indicator. You can select multiple angles of a scene recorded by different cameras.
2. Disc type indicators
3. Reverse play / Pause / Forward play
4. Lights when 3D surround is turned on.
5. DVD : Title number
6. DVD : Chapter number.
7. Video/Audio CD : Track number
8. Repeat play mode
9. Linear PCM audio output
10. Dolby Digital Disc
11. DTS (Digital Theater System) output
12. MPEG-2 Audio output
13. MP3 indicators
14. Displays various messages concerning operations such as PLAY, STOP, LOAD, RANDOM, ...
    no DISC : No disc loaded.
    OPEN : The disc tray is open.
    LOAD : Player is loading disc information.

Description-Rear Panel

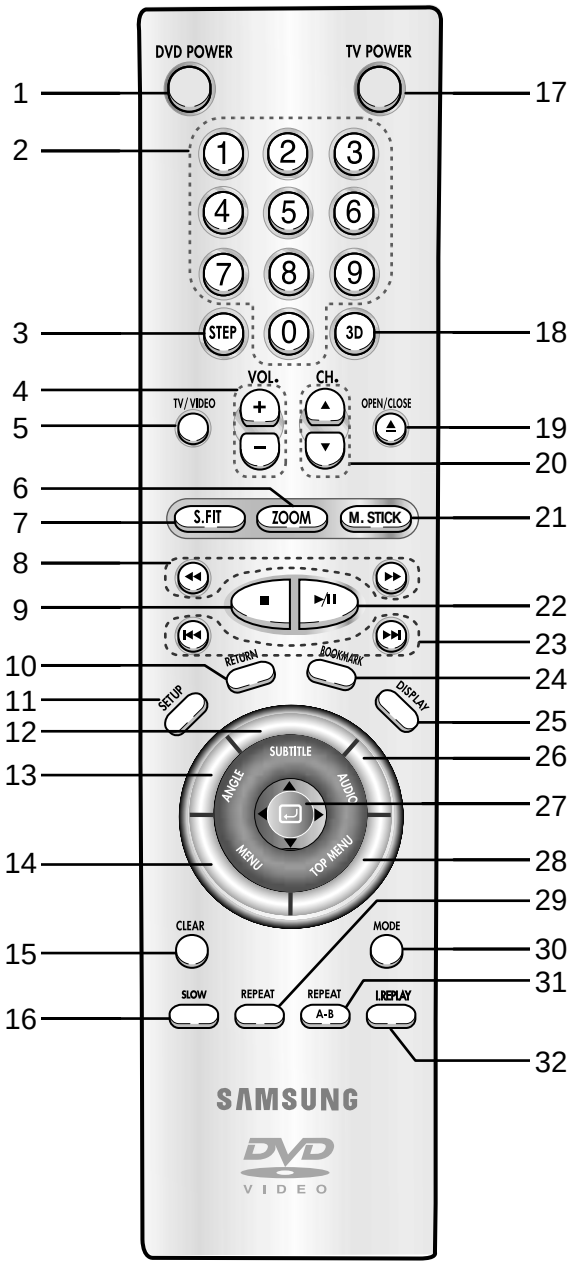


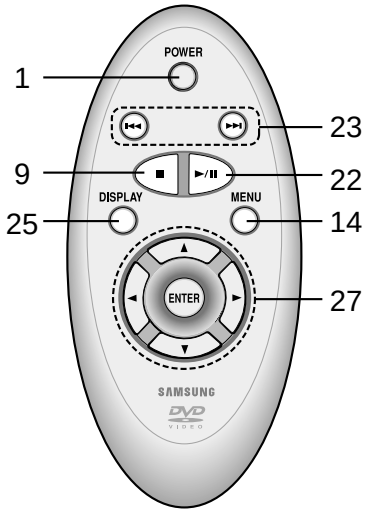
Rear Panel

1. DIGITAL AUDIO OUT JACKS
   - Use either an optical or coaxial digital cable to connect to a compatible Dolby Digital receiver. Use to connect to an A/V Amplifier that contains a Dolby Digital or DTS decoder.
2. ANALOG AUDIO OUT JACKS
   - Connect to the Audio input jacks of your television, audio/video receiver, or VCR.
3. VIDEO OUT JACK
   - Use a video cable to connect to the Video input jack on your television.
   - The VIDEO OUT SELECT switch must be set to the 525I(480I) position.
4. S-VIDEO OUT JACK
   - Use the S-Video cable to connect this jack to the S-Video jack on your television for a higher quality picture.
   - The VIDEO OUT SELECT switch must be set to the 525I(480I) position.
5. COMPONENT VIDEO OUT JACKS
   - Use these jacks if you have a TV with Component Video in jacks. These jacks provide Pr, Pb and Y video. Along with S-Video, Component Video provides the best picture quality.
   - If 525P(480P) VIDEO is selected, progressive scan mode will work.
   - If 525I(480I) VIDEO is selected, interlaced scan mode will work.
6. VIDEO OUT SELECT SWITCH
   - Use the switch to set video out.
   - If 525P(480P) VIDEO is selected, VIDEO and S-VIDEO will not work.

Important Note

- Consult your TV User's Manual to find out if your TV supports Progressive Scan. If Progressive Scan is supported, follow the TV User's Manual's instructions regarding Progressive Scan settings in the TV's menu system.
- If 525P(480P) VIDEO OUT is Selected, VIDEO and S-VIDEO will not work.





(Easy Remote Control)

DVD Function Buttons

1. DVD POWER Button
2. NUMBER Buttons
3. STEP Button
4. VOLUME Buttons
5. TV/VIDEO Button
6. ZOOM Button
7. S.FIT Button (Screen Fit)
8. SEARCH Buttons
   - Allows you to search forward/backward through a disc.
9. STOP Button
10. RETURN Button
    - Returns to a previous menu.
11. SETUP Button
    - Brings up the DVD player's Setup menu.
12. SUBTITLE Button
13. ANGLE Button
    - Use to access various camera angles on a DVD.
14. MENU Button
    - Brings up the Disc menu.
15. CLEAR Button
    - Use to remove menus or status displays from the screen.
16. SLOW Button
17. TV POWER Button
18. 3D Button
19. OPEN/CLOSE Button
20. CHANNEL Buttons
21. M. STICK Button (Memory Stick)
22. PLAY/PAUSE Button
    - Begin/Pause disc play.
23. SKIP Buttons
    - Use to skip the title, chapter, or track.
24. BOOKMARK Button
25. DISPLAY Button
    - Displays the current disc mode.
26. AUDIO Button
    - Use this button to access various audio functions on a disc.
27. ENTER/DIRECTION Button
    (UP/DOWN or LEFT/RIGHT Button)
    - This button functions as a toggle switch.
28. TOP MENU Button
    - Takes you to the menu on the DVD disc.
    - When pressing the TOP MENU button with a CD; the unit enters the INTRO mode. INTRO lets you listen to the beginning of each track for about 10 seconds.
29. REPEAT Button
    - Allows you to repeat play a title, chapter, track, or disc.
30. MODE Button
    - Allows you to program a specific order.
31. REPEAT A-B Button
    - Use to mark a segment to repeat between A and B.
32. I.REPLAY Button
    - This function is used to replay the previous 10 seconds of the movie from the current position.

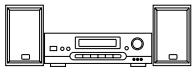
The following show examples of connections commonly used to connect the DVD player with a TV and other components.

Before Connecting the DVD Player

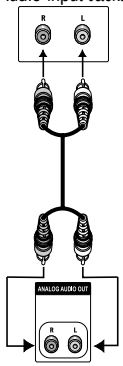
- Always turn off the DVD player, TV, and other components before you connect or disconnect any cables.
- Refer to the owner's manual of the additional components you are connecting for more information on those particular components.

Connection to an Audio System

Method 1

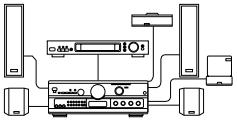


2ch Amplifier
Audio Input Jacks

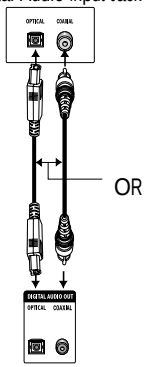


Analog Audio Out

Method 2



Dolby Digital Decoder
Digital Audio Input Jack



Digital Audio Out

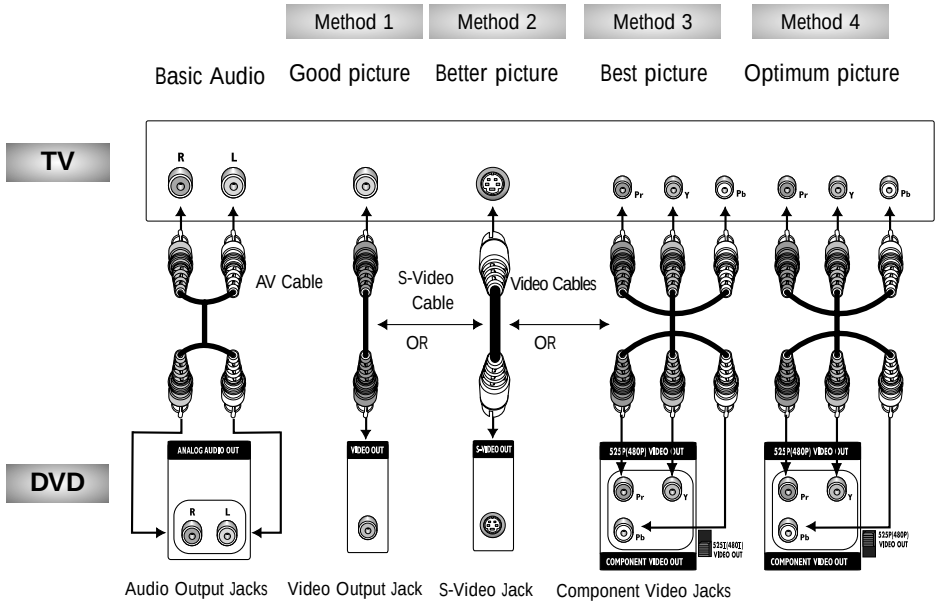
AUDIO

DVD

Choosing a Connection

Connection to a TV (For Video)

TV (Normal, Widescreen, Projection, etc..)



- Method 1 DVD Player + TV with Video Input Jack
  (The VIDEO OUT SELECT switch must be set to the 525I(480I) position.)
- Method 2 DVD Player + TV with S-Video Input Jack
  (The VIDEO OUT SELECT switch must be set to the 525I(480I) position.)
- Method 3 DVD Player + TV with Component Video Jacks
  (The VIDEO OUT SELECT switch must be set to the 525I(480I) position.)
- Method 4 DVD Player + TV with Progressive Scan Jacks.
  (The VIDEO OUT SELECT switch must be set to the 525P(480P) position).
  - If 525P(480P) VIDEO OUT is Selected, VIDEO and S-VIDEO will not work.
  - Depending on your TV, your hookup for Method 4 may differ from the illustration.

Important Note

Consult your TV User's Manual to find out if your TV supports Progressive Scan. If Progressive Scan is supported, follow the TV User's Manual's instructions regarding Progressive Scan settings in the TV's menu system.

Before Play

- Turn on your TV and press the TV/VIDEO button to select the video mode.
- Turn on your Audio System and select AUX, CD or DVD.

After plugging in the player, the first time you press the DVD POWER button, this screen comes up :
If you want to select the language, press a NUMBER button.
(This screen will only appear the very first time you plug in the player.)

Select menu language
Press 1 for English
Touche 2 pour Français
Drücken Sie 3 für Deutsh
Pulse 4 para Español
Premere 5 per Italiano
Toets 6 voor Nederlands

Play

1 Press the OPEN/CLOSE button.
The STANDBY indicator light goes out and the tray opens.

2 Place a disc gently into the tray with the disc's label facing up.

3 Press the PLAY/PAUSE button or OPEN/CLOSE button to close the disc tray.

4 Stopping Play
Press the STOP button during play.

5 Removing Disc
Press the OPEN/CLOSE button.

6 Pausing Play
Press the PLAY/PAUSE or STEP button on the remote during play.
- Screen stops, no sound.
- To resume again, press PLAY/PAUSE button once again.

7 Step Motion Play (Except CD)
When the JOG DIAL is turned, you can view frames one by one.
Press the STEP button on the remote during play.
- Each time the button is pressed, a new frame will appear.
- No sound is heard during STEP mode.
- Press PLAY/PAUSE to resume normal play.
(You can only perform step motion play in the forward direction.)

8 Slow Motion Play (Except CD)
Press the FWD SEARCH or REV SEARCH button on the remote during PAUSE or STEP mode.
- By pressing the FWD SEARCH or REV SEARCH button, you can select slow motion play for 1/8, 1/4 or 1/2 of normal speed.
- No sound is heard during slow mode.
- Press PLAY/PAUSE to resume normal play.
- When playing a VCD, the reverse slow motion play will not work.

RESUME function

When you stop disc play, the player remembers where you stopped, so when you press PLAY again, it will pick up where you left off. (unless the disc is removed, the STOP button is pressed twice or the player is unplugged.)

NOTE

- If the player is left for 5 minutes in pause mode, it will stop.
- If the player is left in the stop mode for more than 30 minutes, the power will automatically shut off. (Automatic Power-Off Function)
- If the player is left in the stop mode for more than one minute without any user interaction, a screen saver will be activated, and the TV screen will fade in and out repeatedly. Press the PLAY button to resume normal play.
- This ⊘ icon indicates an invalid button press.

Using the Search & Skip Functions

During play, you can search quickly through a chapter or track or use the skip function to jump to the next selection.

Searching through a Chapter or Track

1 During play, press the FWD SEARCH (▶▶) or REV SEARCH (◀◀) button on the remote.

- Press the REVERSE or FORWARD SEARCH button on the remote and press again to search at a faster speed on the DVD, VCD, CD.

DVD	2X, 4X, 8X, 16X, 32X, 128X
VCD/CD	2X, 4X, 8X

- Depending on the disc, audio may not be heard when a disc is in 2X play mode.

Skipping Tracks

1 During play, press the NEXT SKIP (▶▶|) or BACK SKIP (|◀◀) button.

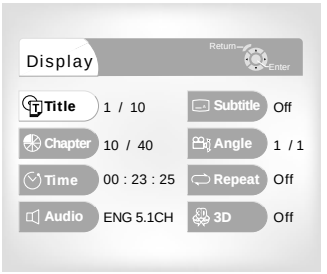
- When playing a DVD, if you press the NEXT SKIP button, it moves to the next chapter. If you press the BACK SKIP button, it moves to the beginning of the chapter.
  One more press makes it move to the beginning of the previous chapter.
- When playing a VCD 2.0 in MENU OFF mode, a VCD 1.1 or a CD, if you press the NEXT SKIP button, it moves to the next track.
  If you press the BACK SKIP button, it moves to the beginning of the track.
  One more press makes it move to the beginning of the previous track.
- If a track exceeds 15 minutes when playing a VCD and you press the NEXT SKIP button, it moves forward 5 minutes.
  If you press the BACK SKIP button, it moves backward 5 minutes.

Using the Display Function

When Playing a DVD

1 During play, press the DISPLAY button on the remote.

- Current title, chapter number, elapsed time, Audio, Subtitle, Angle, Repeat and 3D control will be displayed.
- Use the NUMBER buttons to enter a different title, then press the ENTER button.
- Use the LEFT/RIGHT or NUMBER buttons to enter a chapter number, then press the ENTER button.
- To enter the time from which you want to start, use the UP/DOWN buttons to select, then use the NUMBER buttons to enter the time.
  Then press the ENTER button.
- Use the LEFT/RIGHT buttons to change the values of the current audio, subtitle, Angle, Repeat and 3D.
- To make the screen disappear, press the DISPLAY button again.



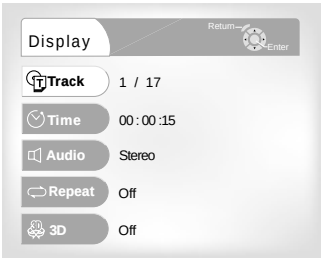
When Playing a CD/VCD

1 During play, press the DISPLAY button on the remote.

- Current track number, elapsed time, Audio, Repeat and 3D control will be displayed.
- Use the UP/DOWN buttons to select a track. Use the LEFT/RIGHT buttons or NUMBER buttons to enter a different track number, then press the ENTER button.
- To enter the time from which you want to start, use the UP/DOWN buttons to select, then use the NUMBER buttons to enter the time.
  Press the ENTER button.
- Use the LEFT/RIGHT buttons to change the values of the current audio, Repeat and 3D.

- To make the screen disappear, press the DISPLAY button again.

* In VCD 2.0 mode (MENU ON mode), only the volume control will appear on screen.



NOTE

What is a Chapter**?**
Each Title on a DVD is usually divided into chapters (similar to tracks on an audio CD).

What is a Title**?**
A DVD may contain several different titles. For example, if a disc contains four different movies, each might be considered a title.

Repeat Play

Repeat the current track, chapter, title, a chosen section (A-B), or all of the disc.

When playing a DVD

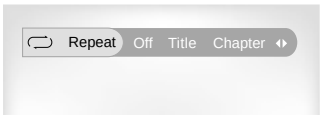
1 Press the REPEAT button on the remote. Repeat screen appears.

2 Select Title, Chapter or using the LEFT/RIGHT buttons.

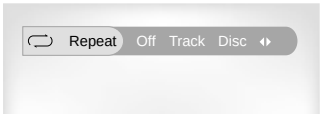
3 Press ENTER.

4 To return to normal play, press REPEAT again, then press the LEFT/RIGHT buttons to select Off and press ENTER.

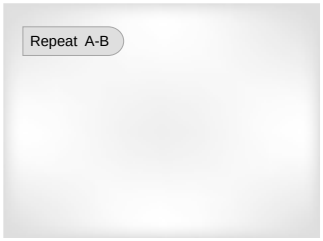
DVD



VCD/CD



* REPEAT A-B button
- Press the REPEAT (A-B) button to select the point where the function starts. (A)
- Press the REPEAT (A-B) button to select the point where the function ends. (B)
- To terminate the function, press the 'CLEAR' button or the 'REPEAT (A-B)' button again. Then press play to resume normal playback.
- A-B REPEAT does not allow you to set point (B) until at least 5 seconds has elapsed after point (A) has been set.



NOTE

- DVD repeats play by chapter or title, CD and VCD repeat play by disc or track.
  See page 29 to MP3 disc repeat Play.
- Depending on the disc, the Repeat function may not work.
- If the title or track is completed before marking the end (B), the end of title or track becomes B automatically.
- When in VCD 2.0 mode (MENU ON mode), this function does not work.

Program Play & Random Play

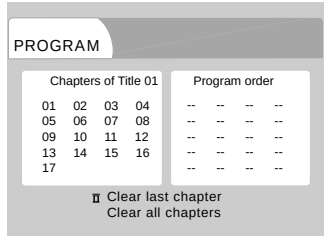
Program Play (DVD/VCD/CD)

1 Press the MODE button.

2 Use the LEFT/RIGHT buttons to select PROGRAM. Press the ENTER button.

3 Use the UP/DOWN/LEFT/RIGHT buttons to select the first chapter (or track) to add to the program. Press the ENTER button. The selection numbers appear in the Program Order box.

4 Press the PLAY/PAUSE button. The disc will be played in programmed order.



Random Play (DVD/VCD/CD)

1 Press the MODE button.

2 Use the LEFT/RIGHT buttons to select Random On. Press the ENTER button.

The disc will be played in random order.

NOTE

- Depending on the disc, the Program and Random Play function may not work.
- When in VCD 2.0 mode (MENU ON mode), these functions do not work.
- To resume normal play, press the CLEAR button.

S.FIT Play

Screen Fit Play

1 During play, press S.FIT button on remote control.

- Allows you to eliminate the black bars in the top and bottom of the screen.
- Screen Fit will not work when the Zoom mode is active. (you can not remove the black bars on the screen) However, Zoom mode will work when Screen Fit is active.

NOTE

- Various aspect ratios are available only in multiple screen format discs.
- This function does not work when a DVD has been recorded in a multi-camera angle format.
- On some DVDs, the black bars cannot be eliminated due to their aspect ratio.

Selecting the Audio Language

You can select a desired language quickly and easily with the AUDIO button.

Using the AUDIO button

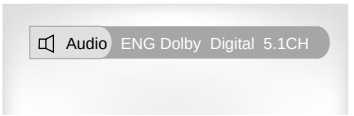
1 Press the AUDIO button.

2 Use the LEFT/RIGHT buttons to select the desired language on a DVD.

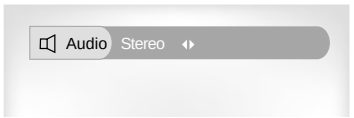
- The audio languages are represented by abbreviations.

3 Use the LEFT/RIGHT buttons to select Stereo, Right or Left. (On VCD/CD)

DVD



VCD/CD



NOTE

- This function depends on what languages are encoded on the disc and may not work with all DVDs.
- A DVD disc can contain up to 8 audio languages.
- How to have the same audio language come up whenever you play a DVD;
  Refer to “Setting Up the Language Features” on page 44.

Selecting the Subtitle Language

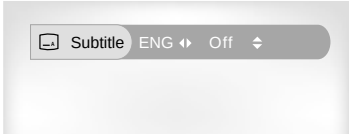
You can select a desired subtitle quickly and easily with the SUBTITLE button.

Using the SUBTITLE button

1 Press the SUBTITLE button.

2 Use the LEFT/RIGHT buttons to select the desired subtitle language.

3 Use the UP/DOWN buttons to determine whether or not the subtitle will be displayed.



- Initially, the subtitling will not appear on screen.
- The subtitle languages are represented by abbreviations.

NOTE

- This function depends on what languages are encoded on the disc and may not work with all DVDs.
- A DVD disc can contain up to 32 subtitle languages.
- How to have the same subtitle language come up whenever you play a DVD;
  Refer to “Setting Up the Language Features” on page 44.

Changing the Camera Angle

When a DVD contains multiple angles of a particular scene, you can select the Angle function.

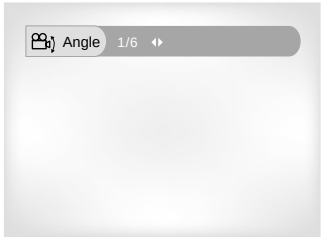
Using the ANGLE button

Press the ANGLE button to see if an ANGLE ( ) mark is present at the upper right hand corner of the screen.

1 When an ANGLE mark is shown, press the ANGLE button, then an ANGLE select icon will appear at the upper left hand corner of the screen.

2 Use the LEFT/RIGHT buttons to select the desired screen angle.

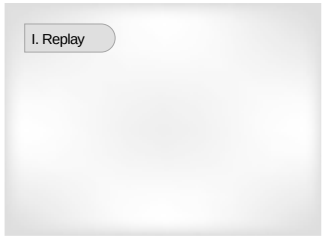
3 To turn off the display, press the ANGLE button again.



Using the Instant Replay Function

Using the Instant Replay function (DVD)

If you miss a scene, you can see it again using this function.



1 If you press the I.REPLAY button, the current scene moves backward about 10 seconds, and plays back.

* Depending on the disc, the Instant Replay function may not work.

Using the Bookmark Function

The Bookmark function lets you select parts of a DVD or VCD (MENU OFF mode) so that you can quickly find the section at a later time.

Using the Bookmark Function (DVD/VCD)

1 During play, press the BOOKMARK button on the remote. The Bookmark icons will be displayed.

2 Use the LEFT/RIGHT buttons to move to the desired bookmark icon.

3 When you reach the scene you want to mark, press the ENTER button. The icon will change to a number (1, 2, or 3).

4 Press the BOOKMARK button to turn off the display.

Recalling a Marked Scene

1 During play, press the BOOKMARK button on the remote.

2 Use the LEFT/RIGHT buttons to select a marked scene.

3 Press the PLAY/PAUSE buttons to skip to the marked scene.

Clearing a Bookmark

1 During play, press the BOOKMARK button on the remote.

2 Use the LEFT/RIGHT buttons to select the bookmark number you want to delete.

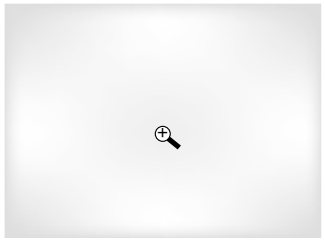
3 Press the CLEAR button to delete a bookmark number. Press the BOOKMARK button to turn off display.

NOTE

- Up to three scenes may be marked at a time.
- When in VCD 2.0 mode (MENU ON mode), this function does not work.
- Depending on the disc, the Bookmark function may not work.

Using the Zoom & 3D Sound Functions

Using the Zoom Function (DVD/VCD)



1 During play or pause mode, press the ZOOM button on the remote.
A square will be displayed on screen.

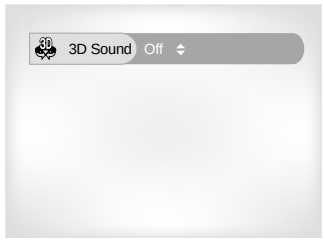
2 Use the UP/DOWN or LEFT/RIGHT buttons to select the part of the screen you want to zoom in on.

3 Press the ENTER button.

- During DVD play, press ENTER to zoom in 2X/4X/2X/Normal in order.
- During VCD play, press ENTER to zoom in 2X/normal in order.

Using the 3D Sound Function

The simulated surround effect depends on the disc contents. If you connect the unit to your stereo system, you can enhance sound quality and produce a greater surround effect.
This feature is useful when you are using the DVD player with a two channel stereo through the analog outputs.
(Discs which are recorded with LPCM or DTS will not work. When the DIGITAL OUTPUT is set to BIT STREAM in the SETUP MENU, the 3D Sound function will not work.)



1 During play, press the 3D button.
The 3D SOUND mark will be displayed on screen. (Be sure the DIGITAL OUTPUT is set to PCM.)

2 Press the UP/DOWN buttons to turn the 3D Sound feature on or off.

NOTE

- 3D Sound is possible only on discs recorded using DOLBY SURROUND or DOLBY DIGITAL. However, some of these discs do not contain rear channel sound signals.
- Depending on the disc, the Zoom and 3D Sound function may not work.

MP3 Play

When an MP3 Disc is inserted into the DVD PLAYER, the first song file of the first Directory plays.

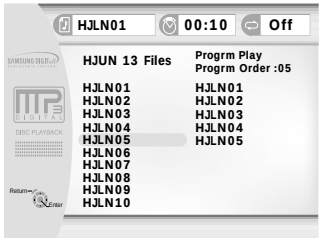
MP3 Play Function

1 To returned playback of the first song file, then press RETURN to display the music files menu on the right side of the screen, the music Directory menu on left side of the Screen. Up to 10 music Directories can be displayed at a time. If you have more than 10 Directories on a disc, press the LEFT/RIGHT buttons to bring them up on the screen.

2 Use the UP/DOWN buttons to select the desired music Directory, the press ENTER. Use the UP/DOWN buttons again to select a song file. Press ENTER to begin playback of the song file.

ADVANCED FUNCTIONS

Program/Random playback



Press the MODE button, then the UP/DOWN buttons, to switch between the RANDOM and PROGRAM modes.
See page 21 for more information on these modes.

NOTE

- Press the REPEAT button to hear a song file repeatedly. Press Repeat again to release the Repeat mode.
- Depending on the disc, the Program and Random Play function may not work.
- To resume normal play, press the CLEAR button.
- It does not work SETUP MENU in CD-R (MP3).

CD-R/MEMORY STICK/MP3 requirements

When playing CD-R MP3 discs, please follow the recommendations below:

- Your MP3 files should be ISO 9660 or JOLIET format.
  ISO 9660 format and Joliet MP3 files are compatible with Microsoft's DOS and Windows, and with Apple's Mac. These two formats are the most widely used.
- When naming your MP3 files do not exceed 8 characters, and place ".mp3" as the file extension.
  General name format of: Title.mp3. When composing your title, make sure that you use 8 characters or less, have no spaces in the name, and avoid the use of special characters including: (.,/,\,=,+).
- Use a decompression transfer rate of at least 128 Kbps when recording MP3 files.
  Sound quality with MP3 files basically depends on the rate of compression/decompression you choose. Getting audio CD quality sound requires an analog/digital sampling rate (conversion to MP3 format) of at least 128 Kbps and up to 160 Kbps. However, choosing higher rates, like 192 Kbps or more, only rarely give better sound quality.
  Conversely, files with sampling rates below 128 Kbps will not be played properly.
- Do not try recording copyright protected MP3 files.
  Certain "securized" files are encrypted and code protected to prevent illegal copying. These files are of the following types: Windows Media™ (registered trade mark of Microsoft Inc) and SDMI™ (registered trade mark of The SDMI Foundation). You cannot copy such files.
- Your DVD player only accepts one level of file directory.
  Consequently you must choose:
  -either to save all your MP3 recording files at the root of the disc;
  -and/or create folders in the directory for each artist or music type (e.g.classical, rock, jazz, etc)
- Important: The above recommendations cannot be taken as a guarantee that the DVD player will play MP3 recordings, or as an assurance of sound quality.
  You should note that certain technologies and methods for MP3 file recording on CD-Rs prevent optimal playback of these files on your DVD player (degraded sound quality and in some cases, inability of the player to read the files).

What is a Memory Stick?

"Memory Stick" is a new compact, portable and versatile IC (Integrated Circuit) recording medium with a data capacity that exceeds a floppy disk.
"Memory Stick" is specially designed for digital data exchange among "Memory Stick" compatible devices.
Because it is removable, the "Memory Stick" can also be used for external data storage.

There are two types of "Memory Sticks".
One is the regular "Memory Stick" and the other is the "MagicGate Memory Stick" equipped with "MagicGate" copyright protection technology.
"MagicGate" is a copyright protection technology that uses encryption.

1. MagicGate Memory Stick
   Can be used for both copyright-protected and regular data.

2. Memory Stick
   Can be used for regular data only.

NOTE

MagicGate Memory Sticks with copyright-protected data cannot be used in this unit.

Precautions on handling the "Memory Stick"

1. Data can become corrupted in the following instances:
   - When the "Memory Stick" is taken out or the power is turned off while using the DPM (Digital Photo Manager) or DAM (Digital Audio Manager) function.
   - When using the "Memory Stick" in a location subject to static electricity or electric noise.
2. Memory sticks can only be read in this unit, not written.
3. Do not attach any other material than the supplied label on the label space.
4. Attach the label so that it does not stick out from the proper attachment location.
5. When moving or storing the "Memory Stick", use the storage case.
6. Do not touch the "Memory Stick" connector with your finger or metallic objects.
7. Do not bend, drop or apply strong shock to the "Memory Stick."
8. Do not disassemble or modify the "Memory Stick."
9. Do not allow the "Memory Stick" to get wet.

Precautions on attaching/removing the "Memory Stick"

1. If it is not fully inserted, until you hear an audible "click", the "Memory Stick" will not work.
2. If you inadvertently remove the "Memory Stick" or turn off the power while using the DPM (Digital Photo Manager) or DAM (Digital Audio Manager) function, the recorded data may become corrupted.
3. To remove the "Memory Stick" during operation, see page 36 .

To format the "Memory Stick"

1. Do not format the "Memory Stick" using your computer. If you format the "Memory Stick" using the computer, you cannot use it with "Memory Stick"compatible devices.
2. If you need to format the "Memory Stick," use a "Memory Stick" compatible device (If formatted, all data previously recorded on the "Memory Stick" will be erased.)
3. If you use a "Memory Stick" that has been initialized using a computer or initialize a "Memory Stick" attached to a camera using USB connection, further operation is not guaranteed.
4. Be careful not to optimize the "Memory Stick" from a computer running a Windows operating system. The life of the "Memory Stick" will be shortened.
5. Do not compress the data recorded on the "Memory Stick." A compressed file cannot be played back on this unit.

Software Compatibility

1. Depending on the type of application software used, the file size of a still image may become larger when it is opened.
2. Depending on the type of application software used, only the first frame (thumbnail) of the clip motion file may be displayed.
3. An image file that has been modified using an image processing software may not open if it is converted into a different file format to play back with this product .

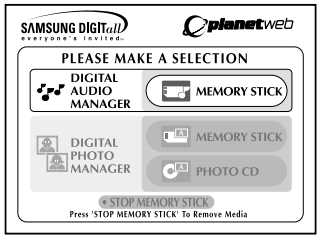
Memory Stick

Memory Stick functions applicable to DPM and DAM

Item	DPM (Digital Photo Manager)	DAM (Digital Audio Manager)
File Format	JPEG Image (*.jpg)	MP3 Music File (*.mp3)
File Size	1. All files in JPEG format that have less than 1600 x 1200 resolution can be played back with DPM. (JPEG files smaller than 1.5MB can be viewed with Photo View.) 2. For JPEG data without thumbnail information, "Thumbnail not available" will be displayed in The Thumbnail View, however, they can still be played back in Photo View.	- No limit to file size
Compatibility	1. Still image files with ".jpg" extension that have been recorded with a digital camcorder or digital still camera equipped with Memory Stick functions 2. JPEG image files stored in Memory Stick using a Memory Stick adaptor for PC 3. JPEG image files stored in CD-R/RW using CD Writer on PC, have to be stored using one of directory formats as follows (Capitalize all letters of directory name): 1) \DCIM\<dir>*.jpg 2) \PREVIEWS\<dir>*.jpg 3) \IMAGES\<dir>*.jpg 4) *.jpg - The size of each <dir> cannot be over 50MB. [case 1), 2), 3)] - In case of storing files in root directory [case 4)], the size of root directory also cannot be over 50MB.	All files in MP3 format that have been downloaded from a PC or PDA to Memory Stick (*.mp3)
Main Functions	Directories Supported •Memory Stick DPM -DCIM\<dir>*.jpg •Picture CD DPM (Compatible with Picture CD of Kodak, Fuji, Qss (Noritus), and Konica)	MP3 music files recorded on Memory Stick can be played back. However, although non-MP3 files are also displayed on DAM, they cannot be played back.

DAM (Digital Audio Manager) Playback

MP3 Playback



1 Press Stop if in play mode.

2 Press the M.STICK button on the remote and the screen to the right will appear.

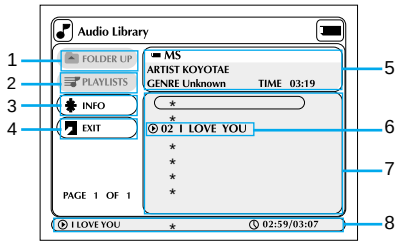
3 Insert the Memory Stick encoded with MP3 files into the Memory Stick Slot.

4 Press the UP/DOWN buttons on the remote control to select Digital Audio Manager, and then press the ENTER button.
- Your selection is highlighted with yellow borders.

5 Use the UP/DOWN buttons to select the desired song.

6 Press the ENTER button to start play.
- Press the MENU button to return to the Start menu.
- If the PLAY button is pressed during the playback of an MP3 file, the song will start from the beginning again.
- If the SKIP button is pressed during the playback of an MP3 file,the next song will be played.

Screen Configuration



1. FOLDER UP: Use to move “up” a folder when you have multiple folders.
2. PLAYLIST: Shows the playlist.
3. INFO: Shows information about the Selected song being played.
4. EXIT: Takes you to the Start menu.
5. Shows brief information about the selected song.
6. The title of the song currently playing
7. Shows a list of MP3 files and folders found in the memory stick.
8. Shows the title and playback time of the currently playing song in the scroll box.

• If the REPEAT button is pressed, the following displays will appear:

- : If the REPEAT button is pressed, all MP3 files in a given folder will be played back repeatedly in the order they are listed under that folder.
- : If the REPEAT button is pressed once again, the Shuffle function is activated. (All MP3 songs in a list are played once in random order.)
- : If the REPEAT button is pressed yet once again, the Continuous Shuffle function is activated. (All MP3 songs in a list are played in random order.)
- If the REPEAT button is pressed still yet once again, the Repeat function is deactivated.

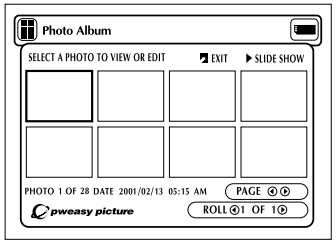
Memory Stick Pull out

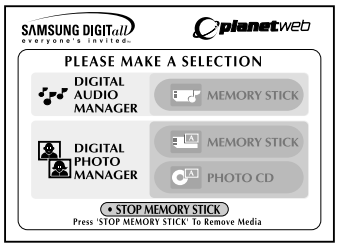
1 If using DPM (Digital Photo Manager) or DAM (Digital Audio Manager), move to Exit, and then press the ENTER button to exit to Start Menu.

2 Move to the "STOP MEMORY STICK" function at the bottom of the menu and then press the ENTER button.

3 When the "PLEASE REMOVE MEMORY STICK" message appears on the top of the menu, remove the Memory Stick.

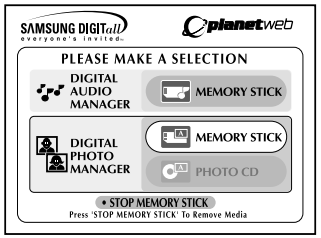
4 If the above sequence is not followed and the Memory Stick is inadvertently removed or the power is turned off, the data recorded on the Memory Stick may become corrupted.





DPM (Digital Photo Manager) Playback

View Photo Album (Memory Stick/Photo CD)



1 Press Stop if in play mode.

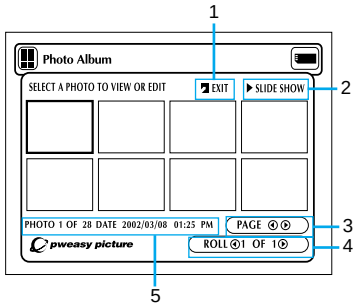
2 Press the M.STICK button on the remote and the screen to the right will appear.

3 Insert the Memory Stick/Photo CD containing JPEG files into the Memory Stick Slot.

4 Press the UP/DOWN buttons on the remote control to select DIGITAL PHOTO MANAGER, and then press the ENTER button.
- Your selection is highlighted with yellow borders.

5 JPEG files in the Memory Stick/Photo CD will be displayed on the screen in the order of their recording.

6 Use the UP/DOWN/LEFT/RIGHT buttons to select the image you want, and then press the ENTER button to display it in full view on the TV screen, or use the UP/DOWN/LEFT/RIGHT buttons to select SLIDE SHOW, and then press the ENTER button to begin the slide show. Slides will be displayed in order for a few seconds at a time.



NOTE The Auto Power Off function does not work while any DPM function is active.

Screen Configuration

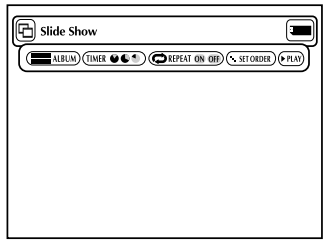
1. EXIT: Takes you to the Start menu.
2. SLIDE SHOW : Begins the slide show.
3. PAGE : Highlight the PAGE menu item and use LEFT/RIGHT buttons to move to the next page of thumbnails.
4. ROLL: Allows navigation when there are multiple directories below '/DCIM' of Memory Stick. (See page 34)
5. Photo Information.

Slide Show

1 Use the LEFT/RIGHT buttons on the remote control to select Slide Show.

- Your selection is highlighted with yellow borders.

2 Press the ENTER button and the Slide Show will begin.



- To execute any function or option, be sure to press the ENTER button after selecting the menu item you want.
- If there is no input for 5 seconds, the Slide Show menu will disappear, and the slide show will begin.
- To view the Slide Show menu, press the UP/DOWN/LEFT/RIGHT button on the remote control. The slide show will stop and the menu will be displayed.
- Select the PLAY menu item to resume.

Menu Description

- ALBUM : Takes you back to the Photo Album.
- TIMER: Indicates the delay between images in a slide show.
- REPEAT : If ON is selected, the slide show will repeat indefinitely.
- SET ORDER: Use to change the order of images in a slide show.
- PLAY: Begins the slide show.

Slide Show Order

1 Use the LEFT/RIGHT buttons to select Slide Show and press ENTER.

2 Use the LEFT/RIGHT buttons to select Set Order and press ENTER.

3 Use the UP/DOWN/LEFT/RIGHT buttons on the remote control to select the image you want to move, and then press the ENTER button.

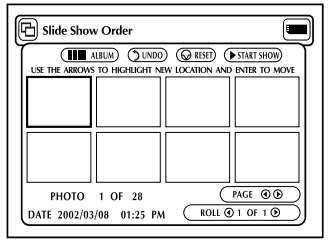
- Your selection is highlighted with green borders.

4 Use the UP/DOWN/LEFT/RIGHT buttons on the remote control to select the location you want to move the image to, and then press the ENTER button.

- Source location is indicated with yellow borders. Destination location is indicated with green borders.

5 After moving the images to another location, you can begin the slide show by choosing START SHOW.

- For those images you don't want to include in the slide show, select the image from the Slide Show Order screen, and then press the CLEAR button.



NOTE

- Slide Show order will reset when you turn player off.

Menu Description

- ALBUM: Takes you to Photo Album.
- UNDO: Restores the image you moved most recently to its original location.
- RESET: Restores all the images to their original locations.
- START SHOW: Begins the slide show.

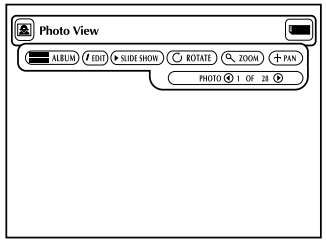
Photo View

1 Use the UP/DOWN/LEFT/RIGHT buttons on the remote control to select the desired image from the Photo Album screen, and then press the ENTER button.

- The selected image will appear on the TV screen.

2 Use the UP/DOWN/LEFT/RIGHT buttons on the remote control to move to the menu item you want, and then press the ENTER button.

- If there is no input for 5 seconds, the Photo View menu will disappear. To view the menu again, press the UP/DOWN/LEFT/RIGHT button.



Menu Description

- ALBUM: Takes you to Photo Album.
- EDIT: You can apply various effects to the selected image.
  This is only for viewing, the edited image cannot be saved.
- SLIDE SHOW: Begins the slide show.
- ROTATE: Each time the ENTER button is pressed, the image will rotate clockwise 90 degrees.
- ZOOM: Each time the ENTER button is pressed, the image will enlarge up to 6X
  Normal --> 2X --> 4X ---> 6X --> Normal
- PAN: Press the ENTER button followed by the UP/ DOWN/ LEFT or RIGHT button to move the image in the direction of the arrow.
- PHOTO ◀ 1 OF 11 ▶: When the Photo menu item is highlighted, the LEFT/RIGHT button move to the next previous images.

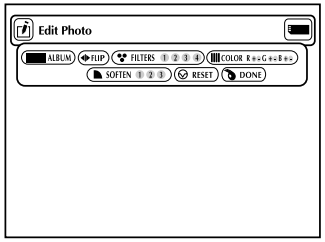
Edit Photo

1 From the Photo View screen, use the UP/DOWN/LEFT/RIGHT buttons to select EDIT, and then press the ENTER button.

- The Edit Photo menu appears.

2 Use the UP/DOWN/LEFT/RIGHT buttons on the remote control to move to the menu item you want, and then press the ENTER button.

- If there is no input for 5 seconds, the Edit Photo menu will disappear. To view the menu again, press the UP/DOWN/LEFT/RIGHT button.



Menu Description

- ALBUM : Takes you back to the Photo Album.
- FLIP: Shows the mirror image.
- FILTERS 1234: You can apply various effects to the selected image.
  1: Black and white filter.
  2: Sepia (brown) filter.
  3: Image negative filter.
  4: Color negative filter.

- To restore the image to its original state, select RESET from the menu, and then press the ENTER button.

- COLOR R + - G + - B + -
  Adjust Red, Green and Blue color balances each time ENTER is pressed.
- SOFTEN 123: Highlight 1 of 3 desired effects: 1) softens edges, 2) blurs the image and 3) creates an impressionist painting effect.
- RESET: Restores the image to its original state before the change was made.
- DONE: Returns you to the Photo View screen.

Using the Setup Menu

The Setup menu lets you customize your DVD player by allowing you to select various language preferences, set up a parental level, even adjust the player to the type of television screen you have.

1 With the unit in Stop mode, press the SETUP button on the remote.

❶ Language

- Player Menu: Setup of the Display Language
  Use the Player preference menu to select the language for the player's on-screen displays.
- Disc Menu : Setup of the Menu Language
  Use the Menu preference menu to select the language you want a DVD's disc menu to be displayed in.
- Audio : Setup of the Audio Language
  Use the Audio preference menu to select the soundtrack language.
- Subtitle : Setup of the Subtitle Language
  Use the Subtitle preference menu to select the language the disc's subtitles are to be displayed in.

❷ Parental : Setup of the Parental Level
Allows users to set the level necessary to prevent children from viewing unsuitable movies such as those with violence, adult subject matter, etc.

❸ Audio : Setup of the Audio Options
❹ Display : Setup of the Display Options
Use to select which type of screen you want to watch and several display options.

2 Use the UP/DOWN buttons on the remote to access the different features.

3 Press the ENTER button to access the sub features.

To make the setup screen disappear after setting up, press the SETUP button again.

NOTE

Depending on the disc, some Setup Menu selections may not work.

Setting Up the Language Features

If you set the player menu, disc menu, audio and subtitle language in advance, they will come up automatically every time you watch a movie.

Using the Player Menu Language

1 With the unit in Stop mode, press the SETUP button. Then press the ENTER button.

2 Use the UP/DOWN buttons to select the Player Menu.

3 Press the ENTER button.

4 Use the UP/DOWN buttons to select 'English'.

5 Press the ENTER button.

- English is selected and the screen returns to SETUP MENU.
- To make the SETUP MENU disappear, press the RETURN button.

e.g Setting up in English.

Using the Disc Menu Language

This function changes the text language only on the disc menu screens.

1 With the unit in Stop mode, press the SETUP button. Then press the ENTER button.

2 Use the UP/DOWN buttons to select Disc Menu.

3 Press the ENTER button.

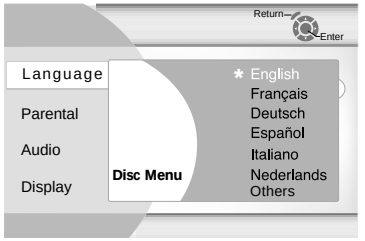
4 Use the UP/DOWN buttons to select 'English'.

- Select "Others" if the language you want is not listed.

5 Press the ENTER button.

- English is selected and the screen returns to SETUP MENU.

e.g Setting up in English.



CHANGING SETUP MENU

Setting Up the Language Features

Using the Audio Language

1 With the unit in Stop mode, press the SETUP button. Then press the ENTER button.

2 Press the UP/DOWN buttons to move to Audio.

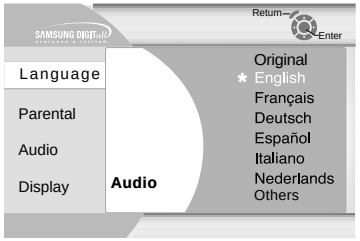
3 Press the ENTER button.

4 Press the UP/DOWN buttons to select 'English'.

- Select "Original" if you want the default soundtrack language to be the original language the disc is recorded in.
- Select "Others" if the language you want is not listed.

5 Press the ENTER button.

- English is selected and the screen returns to SETUP MENU.



Using the Subtitle Language

1 With the unit in Stop mode, press the SETUP button. Then press the ENTER button.

2 Use the UP/DOWN buttons to select Subtitle.

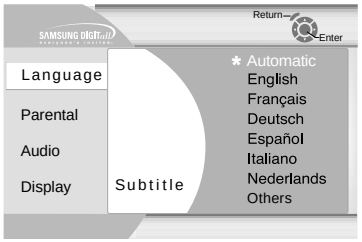
3 Press the ENTER button.

4 Use the UP/DOWN buttons to select 'English'.

- Select "Automatic" if you want the subtitle language to be the same as the language selected as the audio preference.
- Select "Others" if the language you want is not listed. Some discs may not contain the language you select as your initial language; in that case the disc will use its original language setting.

5 Press the ENTER button.

- English is selected and the screen returns to SETUP MENU.



NOTE

- If the selected language is not recorded on the disc, the original pre-recorded language is selected.
- How to make the SETUP MENU disappear or return to menu screen during set up; Press RETURN button.

Setting Up the Parental Control

The Parental Control function works in conjunction with DVDs that have been assigned a rating - which helps you control the types of DVDs that your family watches. There are up to 8 rating levels on a disc.

1 With the unit in Stop mode, press SETUP button.

2 Use UP/DOWN to select Parental. Press ENTER. The Parental Control screen appears.

3 Use LEFT/RIGHT to select On if you want to use a password. The Enter Password screen appears.

4 Enter your password. The Re-enter Password screen appears to confirm the password. Enter your password again. The Parental Control screen appears.

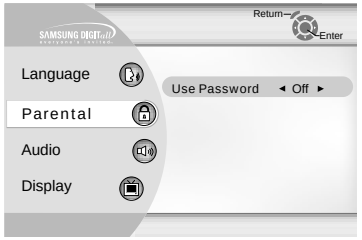
5 About the Rating Level ;

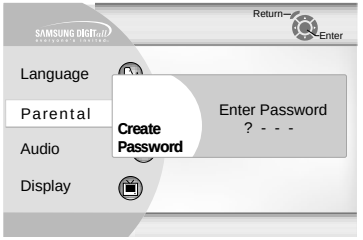
The Rating Level will work only when Use Password is set to On. To unlock the player, use LEFT/RIGHT to select Off. Use UP/DOWN to select Rating level. Press ENTER.

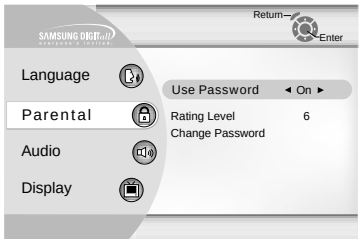
- Use UP/DOWN to select the level(e.g. Level 6) and press ENTER. Discs that contain Level 7 will now not play.
- To cancel the rating level, use LEFT/RIGHT to select Off in Use Password.

6 About Change Password;

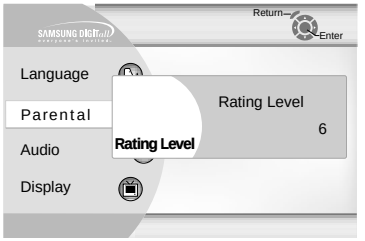
- Use UP/DOWN to select Change Password. The Change Password screen appears.
- Enter your new password. Re-enter the new password again.







e.g Setting up in LEVEL6.



NOTE

- How to make the SETUP MENU disappear or return to menu screen during set up; Press RETURN button.
- If you have forgotten your password, see Forgot Password in the Troubleshooting Guide.

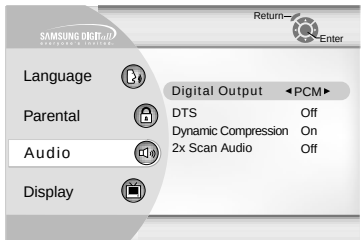
CHANGING SETUP MENU

Setting Up the Audio

1 With the unit in Stop mode, press the SETUP button.

2 Use the UP/DOWN buttons to select Audio. Then press the ENTER button.

3 Use the UP/DOWN buttons to select the desired item. Then press the LEFT/RIGHT buttons.



❶ Digital Output

1. PCM : Converts to PCM(2CH) audio.
   Select PCM when using the Analog Audio Outputs.
2. Bitstream : Converts to Dolby Digital Bitstream (5.1CH).
   Select Bitstream when using the Digital Audio Output.

NOTE : Be sure to select the correct Digital Output or no audio will be heard.

❷ DTS

1. Off : Doesn't output digital signal.
2. On : Outputs DTS Bitstream via digital output only.
   Select DTS when connecting to a DTS Decoder.

❸ Dynamic Compression

1. On : To select dynamic compression.
2. Off : To select the standard range.

❹ 2X Scan Audio

1. Off : Turns 2X audio off.
   Though 2X Scan Audio is ON in the SETUP MENU, no sound will be heard on discs which are recorded with LPCM, DTS or MPEG-2 Audio.
2. On : Turns 2X audio on.

NOTE

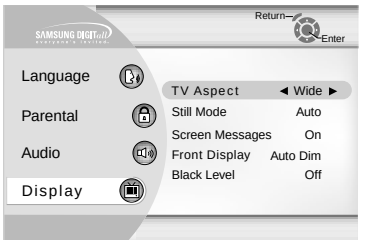
- How to make the SETUP MENU disappear or return to menu screen during set up; Press RETURN button.
- Manufactured under license from Dolby Laboratories.
  "Dolby" and the double-D symbol are trademarks of Dolby Laboratories.
- "DTS" and "DTS Digital Out" are trademarks of Digital Theater Systems, Inc.

Setting Up the Display

1 With the unit in Stop mode, press the SETUP button.

2 Use the UP/DOWN buttons to select Display. Then press the ENTER button.

3 Use the UP/DOWN buttons to select the desired item. Then press the LEFT/RIGHT buttons.



❶ TV Aspect
Depending on the type of television you have, you may want to adjust the screen setting (aspect ratio).

1. Letter Box :
   Select when you want to see the total 16:9 ratio screen DVD supplies, even though you have a TV with a 4:3 ratio screen. Black bars will appear at the top and bottom of the screen.
2. Pan-Scan :
   Select this for conventional size TVs when you want to see the central portion of the 16:9 screen. (Extreme left and right side of movie picture will be cut off.)
3. Wide :
   You can view the full 16:9 picture on your widescreen TV.

❷ Still Mode
These options will help prevent picture shake in still mode and display small text clearer.

1. Auto : When selecting Auto, Field/Frame mode will be automatically converted.
2. Frame : Select this feature when you want to see small letters more clearly in the Auto mode.
3. Field : Select this feature when the screen shakes in the Auto mode.

❸ Screen Messages
Use to turn on-screen messages On or Off.

❹ Front Display
Adjust the brightness of the unit's front panel display.

1. Auto Dim : Makes the Front Panel Display dim automatically when playing a DVD.
2. Dim : Makes the Front Panel Display dim.
3. Bright : Makes the Front Panel Display bright.

❺ Black Level
Adjusts the brightness of the screen.(On/Off)
You are unable to adjust picture brightness in case you select progressive video out.

NOTE

- How to make the SETUP MENU disappear or return to menu screen during set up; Press the RETURN button.

Controlling a TV with the Remote

The remote can also be set up to control most TVs. To program the remote, use the code that corresponds to your brand.

TV Codes

Code	Brand	Code	Brand
01	SAMSUNG_1	16	SHARP_1
02	SHARP_2	17	ZENITH
03	SONY	18	LG_3
04	MAGNAVOX	19	DAEWOO_8
05	SANYO_1	20	SANYO_2
06	LG_2	21	EMERSON
07	RCA	22	SHARP_3
08	LG_1	23	SAMSUNG_4
09	TOSHIBA	24	PANASONIC_2
10	HITACHI	25	NOBLEX
11	JVC	26	TELEFUNKEN
12	PANASONIC_1	27	NEWSAN
13	MITSUBISHI_2	28	LOEWE
14	SAMSUNG_2	29	RCA2
15	SAMSUNG_3		

1 Turn on the TV

2 Point the DVD's remote at the TV.

3 While holding the TV POWER button down, enter the code for your brand.

4 If the TV turns off, setup is complete.

Enter other codes of the same brand if the first code does not work.

5 To operate the TV, use the "TV Function Buttons" described on page 13.

e.g For Samsung_1 TVs

While holding down the TV POWER button, enter 0 and then 1.

NOTE

The remote may not be able to control every model TV of the brands listed.

Troubleshooting

Before requesting service (troubleshooting), please check the following.

Problem	Action	Page
No operations can be performed with remote.	• Check the batteries in the remote. May need replacing. • Operate the remote control at a distance of no more than 20 feet. • Remove batteries and hold down one or more buttons for several minutes to drain the microprocessor inside the remote to reset it. Reinstall batteries and try remote again.	P6
Disc does not play.	• Ensure that the disc is installed with the label side facing up. • Check the region number of the DVD.	P9
5.1 channel sound is not being reproduced.	• 5.1 channel sound is reproduced only when the following conditions are met. : 1) The DVD player is connected with the proper amplifier 2) The disc is recorded with 5.1 channel sound. • Check whether the disc being played has the "Dolby 5.1 ch" mark on the outside. • Check if your audio system is connected and working properly. • In a SETUP Menu, is the Audio Output set to Bitstream?	P14
The ⊘ icon appears on screen.	• The features or action cannot be completed at this time because: 1. The DVD's software restricts it. 2. The DVD's software doesn't support the feature (e.g., angles). 3. The feature is not available at the moment. 4. You've requested a title or chapter number or search time that is out of range.	P17
Disc Menu doesn't appear.	• Check if the disc has a Menu.	P42~43
Play mode differs from the Setup Menu selection.	• Some of the functions selected in the Setup Menu may not work properly if the disc is not encoded with the corresponding function.	P42~47
The screen ratio cannot be changed.	• The Screen Ratio is fixed on your DVDs.	P47
No audio.	• Make sure you have selected the correct Digital Output in the Audio Options Menu.	P46
Forgot password	• Press power on from a cold start with no disc in the unit. Press the STOP and PLAY buttons simultaneously on the front panel for three seconds. The Select Menu Language display will appear. Select the desired language button. Press the SETUP button on the remote control to select the Parental Mode. The Parental Mode is now unlocked as indicated on the display. Press the DOWN button to select Parental. Press ENTER and the Create Password display will appear. You can now set your rating level and change your password to a new number.	P45
If you experience other problems.	• Go to the contents and find the section of the instruction book that contains the explanations regarding the current problem, and follow the procedure once again. • If the problem still cannot be solved, please contact your nearest authorized service center.	
If you experience shaky pictures working play and step back and forth.	• Push the STOP button and play back again.	

Specifications

General	Power Requirements	AC 120V, 60 Hz
	Power Consumption	16 W
	Weight	6.2 lbs
	Dimensions	W 16.9 in x D 9.4 in x H 3.1 in
	Operating Temperature Range	+41°F to +95°F
	Operating Humidity Range	10 % to 75 %
Disc	DVD (DIGITAL VERSATILE DISC)	Reading Speed : 11.45 ft/sec. Approx. Play Time (Single Sided, Single Layer Disc) : 135 min.
	CD : 5" (COMPACT DISC)	Reading Speed : 3.9 to 4.6 ft/sec. Maximum Play Time : 74 min.
	CD : 3 1/2" (COMPACT DISC)	Reading Speed : 3.9 to 4.6 ft/sec. Maximum Play Time : 20 min.
	VCD : 5"	Reading Speed : 3.9 to 4.6 ft/sec. Maximum Play Time : 74 min. (Video + Audio)
Video Output	Composite Video	1 channel : 1.0 Vp-p (75 Ω load)
	Component Video	Y : 1.0 Vp-p (75 Ω load) Pr : 0.70 Vp-p (75 Ω load) Pb : 0.70 Vp-p (75 Ω load)
	S-VIDEO	Luminance Signal : 1.0 Vp-p (75 Ω load) Chrominance Signal : 0.286 Vp-p (75 Ω load)
Audio Output	2 Channel	L(1/L), R(2/R)
	*Frequency Response	48 kHz Sampling : 4 Hz to 22 kHz 96 kHz Sampling : 4 Hz to 44 kHz
	*S/N Ratio	110 dB
	*Dynamic Range	100 dB
	*Total Harmonic Distortion	0.004 %

*: Nominal specification

- Samsung Electronics Co., Ltd reserves the right to change the specifications without notice.
- Weight and dimensions are approximate.

Warranty

LIMITED WARRANTY TO ORIGINAL PURCHASER

Samsung Electronics Canada Inc.(SECA), warrants that this product is free from defective material and workmanship.

SECA further warrants that if this product falls to operate properly within the specified warranty period and the failure is due to improper workmanship or defective materials, SECA will repair or replace the product at its option.

All warranty repairs must be performed by a SECA Authorized Service Center. (The name and address of the location nearest you can be obtained by calling toll free: 1- 800- SAMSUNG)

LABOR	PARTS
One year (Carry- in)	One year

On carry-in models, transportation to and from the service center is the customer's responsibility.

The original dated sales receipt must be retained by the customer and is the only acceptable proof of purchase. It must be presented to the authorized service center at the time service is requested.

EXCLUSIONS (WHAT IS NOT COVERED)

This warranty does not cover damage due to accident, fire, flood and/ or other acts of God; misuse, incorrect line voltage, improper installation, improper or unauthorized repairs, commercial use or damage that occurs in shipping. Exterior and interior finish, lamps, glass are not covered under this warranty. Customer adjustments which are explained in the instruction manual are not covered under the terms of this warranty. This warranty will automatically be voided for any unit found with a missing or altered serial number. This warranty is valid only on products purchased and used in Canada.

HEADQUARTERS
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